

## IN THE CLAIMS

The following listing of claims will replace all prior versions of claims in the application:

1. (previously canceled)

2. (currently amended) A composition for ~~[method of]~~ treating at least one of virus-induced and inflammatory diseases ~~[of skin and membranes]~~ in ~~[humans or]~~ animals, said composition comprising:

~~[topical application of a composition comprising]~~

at least one of ~~[one or more of the monounsaturated alcohols]~~ octadecenol, eicosenol, docosenol, ~~[and]~~ tetracosenol and hexacosenol ~~[mixed with polar hydrophilic salts in a total concentration]~~ in a concentration of from 0.1 to 25 percent by weight ~~[in]~~ of an admixed ~~[a]~~ physiologically active carrier ~~[to the inflamed skin or membrane of the patient to be treated, wherein the antiviral activity of the composition is approximately 50 times greater than that of the alcohol alone];~~

at least one salt of a fatty acid according to the formula  $R^1\text{-COO}^-\text{M}^+$ , wherein  $R^1$  comprises

$\text{CH}_3(\text{CH}_2)_7\text{CH}=\text{CHCH}_2(\text{CH}_2)_x$ , x is at least one of 6, 8, 10, and 12, and  $\text{M}^+$  is a monovalent alkali metal ion; and

at least one mixed ester according to the formula  $\text{R}^2\text{-COO-R}^3$ , wherein  $\text{R}^2$  comprises

$\text{CH}_3(\text{CH}_2)_7\text{CH}=\text{CHCH}_2(\text{CH}_2)_y$ , y is at least one of 6, 8, 10 and 12, and  $\text{R}^3$  is at least one of an alkyl group and an aliphatic group comprising between 1 to 12 carbon atoms;

wherein the antiviral activity of the composition is approximately 50 times greater than that of the alcohol component taken alone.

3. (currently canceled)

4. (previously canceled)

5. (currently amended) ~~[The method of claim 2 wherein said alcohols are comprised of proportions by weight relative to the total weight of the alcohols of octadecenol of about 1%, eicosenol of about 44%, docosenol of about 45%, and tetracosenol of about 9%.]~~ The composition of claim 2,

comprising at least one of: about 1% octadecenol; about 44% eicosenol; about 45% docosenol; and about 9% tetracosenol by total alcohol weight.

6. (currently cancelled)

7. (previously cancelled)

8. - 9. (currently cancelled)

10. (previously cancelled)

11. - 12. (currently cancelled)

13. (previously cancelled)

14. (currently amended) A ~~[method of]~~ composition for intravenous treatment of ~~[treating humans or other mammals for]~~ viral infections in animals, said composition comprising:

~~[intravenous introduction into the human or other mammal to be treated with]~~ an effective amount of from about 0.1 mg to about 2 gm per 50 kg of body weight of a compound ~~[composition consisting of]~~ comprising ~~[of one or more]~~ at least one C<sub>18</sub> to C<sub>24</sub> monounsaturated alcohol ~~[s mixed with polar hydrophilic salts in a total concentration]~~ in a physiologically active carrier ~~[, wherein the antiviral activity of the composition is approximately 50 times greater than that of the alcohol alone];~~

at least one salt of a fatty acid according to the formula R<sup>1</sup>-COO<sup>-</sup>M<sup>+</sup>, wherein R<sup>1</sup> comprises

CH<sub>3</sub>(CH<sub>2</sub>)<sub>7</sub>CH=CHCH<sub>2</sub>(CH<sub>2</sub>)<sub>x</sub>, x is at least one of 6, 8, 10, and 12, and M<sup>+</sup> is a monovalent alkali metal ion; and

at least one mixed ester according to the formula R<sup>2</sup>-COO-R<sup>3</sup>, wherein R<sup>2</sup> comprises

CH<sub>3</sub>(CH<sub>2</sub>)<sub>7</sub>CH=CHCH<sub>2</sub>(CH<sub>2</sub>)<sub>y</sub>, y is at least one of 6, 8, 10 and 12, and R<sup>3</sup> is at least one of an alkyl group and an aliphatic group comprising between 1 to 12 carbon atoms;

wherein the antiviral activity of the composition is approximately 50 times greater than that of the alcohol component taken alone.

15. (currently cancelled)

16. (previously cancelled)

17. (currently amended) [~~The method of claim 14 wherein said alcohols are comprised of proportions by weight relative to the total weight of the alcohols of octadecenol of about 1%, eicosenol of about 44%, docosenol of about 45%, and tetracosenol of about 9%.~~] The composition of claim 14, comprising at least one of: about 1% octadecenol; about 44% eicosenol; about 45% docosenol; and about 9% tetracosenol by total alcohol weight.
18. (currently cancelled)
19. (previously cancelled)
20. (currently amended) A composition for intramuscular treatment of [~~method of treating humans or other mammals for~~] viral infections in animals, said composition comprising:
- [~~intramuscular introduction into the human or other mammal to be treated with~~] an effective amount of from about 0.1 mg to about 2 gm per 50 kg of body weight of a compound [~~composition consisting of~~] comprising [~~of one or more~~] at least one C<sub>18</sub> to C<sub>24</sub> monounsaturated alcohol [~~s mixed with polar hydrophilic salts in a total concentration~~] in a physiologically active carrier [~~, wherein the antiviral activity of the composition is approximately 50 times greater than that of the alcohol alone~~];
- at least one salt of a fatty acid according to the formula R<sup>1</sup>-COO<sup>+</sup>M<sup>+</sup>, wherein R<sup>1</sup> comprises  
CH<sub>3</sub>(CH<sub>2</sub>)<sub>7</sub>CH=CHCH<sub>2</sub>(CH<sub>2</sub>)<sub>x</sub>, x is at least one of 6, 8, 10, and 12, and M<sup>+</sup> is a monovalent alkali metal ion; and
- at least one mixed ester according to the formula R<sup>2</sup>-COO-R<sup>3</sup>, wherein R<sup>2</sup> comprises  
CH<sub>3</sub>(CH<sub>2</sub>)<sub>7</sub>CH=CHCH<sub>2</sub>(CH<sub>2</sub>)<sub>y</sub>, y is at least one of 6, 8, 10 and 12, and R<sup>3</sup> is at least one of an alkyl group and an aliphatic group comprising between 1 to 12 carbon atoms;
- wherein the antiviral activity of the composition is approximately 50 times greater than that of the alcohol component taken alone.
21. (currently cancelled)
22. (previously cancelled)
23. (currently amended) [~~The method of claim 20 wherein said alcohols are comprised of proportions by weight relative to the total weight of the alcohols of octadecenol of about 1%, eicosenol of about 44%, docosenol of about 45%, and tetracosenol of about 9%.~~] The composition of claim 20,

comprising at least one of: about 1% octadecenol; about 44% eicosenol; about 45% docosenol; and about 9% tetracosenol by total alcohol weight.

24. (currently cancelled)

25. (previously cancelled)

26. (currently amended) A ~~[method of]~~ composition for trans-mucosal treatment of ~~[treating humans or other mammals for]~~ viral infections in animals, said composition comprising:

~~[trans-mucus-membranal introduction into the human or other mammal to be treated with]~~ an effective amount of from about 0.1 mg to about 2 gm per 50 kg of body weight of a compound ~~[composition consisting of]~~ comprising ~~[of one or more]~~ at least one  $C_{18}$  to  $C_{24}$  monounsaturated alcohol ~~[s-mixed with polar hydrophilic salts in a total concentration]~~ in a physiologically active carrier~~[-wherein the antiviral activity of the composition is approximately 50 times greater than that of the alcohol alone];~~

at least one salt of a fatty acid according to the formula  $R^1-COO^+M^+$ , wherein  $R^1$  comprises

$CH_3(CH_2)_7CH=CHCH_2(CH_2)_x$ , x is at least one of 6, 8, 10, and 12, and  $M^+$  is a monovalent alkali metal ion; and

at least one mixed ester according to the formula  $R^2-COO-R^3$ , wherein  $R^2$  comprises

$CH_3(CH_2)_7CH=CHCH_2(CH_2)_y$ , y is at least one of 6, 8, 10 and 12, and  $R^3$  is at least one of an alkyl group and an aliphatic group comprising between 1 to 12 carbon atoms;

wherein the antiviral activity of the composition is approximately 50 times greater than that of the alcohol component taken alone.

27. (currently cancelled)

28. (previously cancelled)

29. (currently amended) ~~[The method of claim 26 wherein said alcohols are comprised of proportions by weight relative to the total weight of the alcohols of octadecenol of about 1%, eicosenol of about 44%, docosenol of about 45%, and tetracosenol of about 9%.]~~ The composition of claim 26, comprising at least one of: about 1% octadecenol; about 44% eicosenol; about 45% docosenol; and about 9% tetracosenol by total alcohol weight.

30. (currently cancelled)

31. (previously cancelled)

32. (currently amended) A ~~[method of]~~ composition for transdermal treatment of ~~[treating humans or other mammals for]~~ viral infections in animals, said composition comprising:

~~[transdermal penetration into the human or other mammal to be treated with]~~ an effective amount of from about 0.1 mg to about 2 gm per 50 kg of body weight of a compound ~~[composition consisting of]~~ comprising [of one or more] at least one  $C_{18}$  to  $C_{24}$  monounsaturated alcohol ~~[s-mixed with polar hydrophilic salts in a total concentration]~~ in a physiologically active carrier ~~[, wherein the antiviral activity of the composition is approximately 50 times greater than that of the alcohol alone];~~

at least one salt of a fatty acid according to the formula  $R^1-COO^+M^+$ , wherein  $R^1$  comprises

$CH_3(CH_2)_7CH=CHCH_2(CH_2)_x$ , x is at least one of 6, 8, 10, and 12, and  $M^+$  is a monovalent alkali metal ion; and

at least one mixed ester according to the formula  $R^2-COO-R^3$ , wherein  $R^2$  comprises

$CH_3(CH_2)_7CH=CHCH_2(CH_2)_y$ , y is at least one of 6, 8, 10 and 12, and  $R^3$  is at least one of an alkyl group and an aliphatic group comprising between 1 to 12 carbon atoms;

wherein the antiviral activity of the composition is approximately 50 times greater than that of the alcohol component taken alone.

33. (currently cancelled)

34. (previously cancelled)

35. (currently amended) ~~[The method of claim 32 wherein said alcohols are comprised of proportions by weight relative to the total weight of the alcohols of octadecenol of about 1%, eicosenol of about 44%, docosenol of about 45%, and tetracosenol of about 9%.]~~ The composition of claim 32, comprising at least one of: about 1% octadecenol; about 44% eicosenol; about 45% docosenol; and about 9% tetracosenol by total alcohol weight.

36. (currently cancelled)

37. – 85. (previously cancelled)

86. (currently amended) A ~~[method of]~~ composition for trans-membranal treatment of ~~[treating humans and mammals for]~~ viral infections in animals, said composition comprising:

an effective amount of from about 0.1 mg to about 2 gm per 50 kg of body weight of a compound comprising ~~[introducing a composition consisting essentially of one or more]~~ at least one monounsaturated alcohol[s] having ~~[from]~~ between 18 ~~[to]~~ and 24 carbons ~~[through a membrane into the circulatory system of a human or mammal to be treated with an effective amount of from about 0.1 mg to about 2 gm per 50 kg of body weight comprising inserting such alcohol composition mixed with polar hydrophilic salts in a total concentration]~~ in at least one of a physiologically acceptable liquid, cream, gel, ~~[or]~~ and suppository carrier into at least one of ~~[the]~~ an anus ~~[or]~~ and vagina of the ~~[human or mammal]~~ animal to be treated ~~[, wherein the antiviral activity of the composition is approximately 50 times greater than that of the alcohol alone];~~

at least one salt of a fatty acid according to the formula  $R^1-COO^+M^-$ , wherein  $R^1$  comprises  $CH_3(CH_2)_7CH=CHCH_2(CH_2)_x$ , x is at least one of 6, 8, 10, and 12, and  $M^+$  is a monovalent alkali metal ion; and

at least one mixed ester according to the formula  $R^2-COO-R^3$ , wherein  $R^2$  comprises  $CH_3(CH_2)_7CH=CHCH_2(CH_2)_y$ , y is at least one of 6, 8, 10 and 12, and  $R^3$  is at least one of an alkyl group and an aliphatic group comprising between 1 to 12 carbon atoms;

wherein the antiviral activity of the composition is approximately 50 times greater than that of the alcohol component taken alone.

87. (currently cancelled)

88. (previously cancelled)

89. (currently amended) ~~[The method of claim 86 wherein said alcohols are comprised of proportions by weight relative to the total weight of the alcohols of octadecenol of about 1%, eicosenol of about 44%, docosenol of about 45%, and tetracosenol of about 9%.]~~ The composition of claim 86,

comprising at least one of: about 1% octadecenol; about 44% eicosenol; about 45% docosenol; and about 9% tetracosenol by total alcohol weight.

90. (currently cancelled)